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(54) Title: SWING TYPE FINE AIR BUBBLE GENERATING DEVICE

(54) 発明の名称 巡回式微細気泡発生装置

(57) Abstract

A swing type fine air bubble generating device, comprising a container main body having a bottomed cylindrical space (1) or a megaphone-shaped space of which inlet part is closed, a pressure liquid inlet port (2) provided in a part of the inner peripheral wall surface of the space in tangential direction, a gas inlet hole (4) provided in the bottom part (3) of the cylindrical space or the inlet port of the megaphone-shaped space, and a swing air/liquid mixture outlet port (5) provided in the tip of the cylindrical space or the megaphone-shaped space, whereby the device can produce fine air bubbles easily on industrial scale, be manufactured easily because it is relatively small in size and simple in structure, and be used effectively for purification of water of ponds, lakes, dams, and rivers, for sewage disposal by microorganisms, for cultivation of fishes and aquatic animals, for increase in oxygen and dissolved amount of oxygen contained in hydroponic culture liquid, and for increase in yield rate.

